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## RAW SEQUENCE LISTING

DATE: 01/26/2002

PATENT APPLICATION: US/09/992,524

TIME: 14:04:41

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1 <110> APPLICANT: Vasquez, Maximiliano  
 2 Landolfi, Nicholas F.  
 3 Tsurushita, Naoya  
 4 Queen, Cary L.  
 5 Protein Design Labs, Inc.  
 6 <120> TITLE OF INVENTION: Humanized Antibodies To Gamma-Interferon  
 7 <130> FILE REFERENCE: 011823-008110US  
 8 <140> CURRENT APPLICATION NUMBER: US/09/992,524  
 9 <141> CURRENT FILING DATE: 2001-11-13  
 10 <150> PRIOR APPLICATION NUMBER: 09/450,520  
 11 <151> PRIOR FILING DATE: 1999-11-29  
 12 <160> NUMBER OF SEQ ID NOS: 13  
 13 <170> SOFTWARE: PatentIn Ver. 2.1  
 15 <210> SEQ ID NO: 1  
 16 <211> LENGTH: 381  
 17 <212> TYPE: DNA  
 18 <213> ORGANISM: Mus sp.  
 19 <220> FEATURE:  
 20 <221> NAME/KEY: CDS  
 21 <222> LOCATION: (1)..(381)  
 22 <223> OTHER INFORMATION: AF2 VL  
 23 <400> SEQUENCE: 1

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25	Met Glu Ser Gln Thr Leu Val Phe Ile Ser Ile Leu Leu Trp Leu Tyr	
26	1 5 10 15	
27	ggt gct gat ggg aac att gtt atg acc caa tct ccc aaa tcc atg tac	96
28	Gly Ala Asp Gly Asn Ile Val Met Thr Gln Ser Pro Lys Ser Met Tyr	
29	20 25 30	
30	gtg tca ata gga gag agg gtc acc ttg agc tgc aag gcc agt gaa aat	144
31	Val Ser Ile Gly Glu Arg Val Thr Leu Ser Cys Lys Ala Ser Glu Asn	
32	35 40 45	
33	gtg gat act tat gta tcc tgg tat caa cag aaa cca gag cag tct cct	192
34	Val Asp Thr Tyr Val Ser Trp Tyr Gln Gln Lys Pro Glu Gln Ser Pro	
35	50 55 60	
36	aaa ctg ctg ata tat ggg gca tcc aac cgg tac act ggg gtc ccc gat	240
37	Lys Leu Leu Ile Tyr Gly Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp	
38	65 70 75 80	
39	cgc ttc acg ggc agt gga tct gca aca gat ttc act ctg acc atc agc	288
40	Arg Phe Thr Gly Ser Gly Ser Ala Thr Asp Phe Thr Leu Thr Ile Ser	
41	85 90 95	
42	agt gtg cag gct gaa gac ctt gca gat tat cac tgt gga cag agt tac	336
43	Ser Val Gln Ala Glu Asp Leu Ala Asp Tyr His Cys Gly Gln Ser Tyr	
44	100 105 110	

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45      aac tat cca ttc acg ttc ggc tgc ggg aca aag ttg gaa ata aag      381
46      Asn Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
47      115                      120                      125
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51 <212> TYPE: PRT
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56      Met Glu Ser Gln Thr Leu Val Phe Ile Ser Ile Leu Leu Trp Leu Tyr
57      1                      5                      10                      15
58      Gly Ala Asp Gly Asn Ile Val Met Thr Gln Ser Pro Lys Ser Met Tyr
59      20                      25                      30
60      Val Ser Ile Gly Glu Arg Val Thr Leu Ser Cys Lys Ala Ser Glu Asn
61      35                      40                      45
62      Val Asp Thr Tyr Val Ser Trp Tyr Gln Gln Lys Pro Glu Gln Ser Pro
63      50                      55                      60
64      Lys Leu Leu Ile Tyr Gly Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp
65      65                      70                      75                      80
66      Arg Phe Thr Gly Ser Gly Ser Ala Thr Asp Phe Thr Leu Thr Ile Ser
67      85                      90                      95
68      Ser Val Gln Ala Glu Asp Leu Ala Asp Tyr His Cys Gly Gln Ser Tyr
69      100                     105                     110
70      Asn Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
71      115                     120                     125
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76 <213> ORGANISM: Mus sp.
77 <220> FEATURE:
78 <221> NAME/KEY: CDS
79 <222> LOCATION: (1)..(408)
80 <223> OTHER INFORMATION: Description of Artificial Sequence:AF2 VH
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83      Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
84      1                      5                      10                      15
85      gtc ctc tcc cag gtc caa ctg cag cag cct ggg gct gac ctt gtg atg      96
86      Val Leu Ser Gln Val Gln Leu Gln Gln Pro Gly Ala Asp Leu Val Met
87      20                      25                      30
88      cct ggg gct cca gtg aag ctg tcc tgc ttg gct tct ggc tac atc ttc      144
89      Pro Gly Ala Pro Val Lys Leu Ser Cys Leu Ala Ser Gly Tyr Ile Phe
90      35                      40                      45
91      acc agc tcc tgg ata aac tgg gtg aag cag agg cct gga cga ggc ctc      192
92      Thr Ser Ser Trp Ile Asn Trp Val Lys Gln Arg Pro Gly Arg Gly Leu
93      50                      55                      60
94      gag tgg att gga agg att gat cct tcc gat ggt gaa gtt cac tac aat      240
95      Glu Trp Ile Gly Arg Ile Asp Pro Ser Asp Gly Glu Val His Tyr Asn

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97    caa gat ttc aag gac aag gcc aca ctg act gta gac aaa tcc tcc agc 288
98    Gln Asp Phe Lys Asp Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser
99          85          90          95
100   aca gcc tac atc caa ctc aac agc ctg aca tct gag gac tct gcg gtc 336
101   Thr Ala Tyr Ile Gln Leu Asn Ser Leu Thr Ser Glu Asp Ser Ala Val
102          100          105          110
103   tat tac tgt gct aga gga ttt ctg ccc tgg ttt gct gac tgg ggc caa 384
104   Tyr Tyr Cys Ala Arg Gly Phe Leu Pro Trp Phe Ala Asp Trp Gly Gln
105          115          120          125
106   ggg act ctg gtc act gtc tct gca 408
107   Gly Thr Leu Val Thr Val Ser Ala
108          130          135
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112 <212> TYPE: PRT
113 <213> ORGANISM: Mus sp.
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115 <223> OTHER INFORMATION: AF2 VH
116 <400> SEQUENCE: 4
117   Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly
118       1          5          10          15
119   Val Leu Ser Gln Val Gln Leu Gln Gln Pro Gly Ala Asp Leu Val Met
120          20          25          30
121   Pro Gly Ala Pro Val Lys Leu Ser Cys Leu Ala Ser Gly Tyr Ile Phe
122          35          40          45
123   Thr Ser Ser Trp Ile Asn Trp Val Lys Gln Arg Pro Gly Arg Gly Leu
124          50          55          60
125   Glu Trp Ile Gly Arg Ile Asp Pro Ser Asp Gly Glu Val His Tyr Asn
126          65          70          75          80
127   Gln Asp Phe Lys Asp Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser
128          85          90          95
129   Thr Ala Tyr Ile Gln Leu Asn Ser Leu Thr Ser Glu Asp Ser Ala Val
130          100          105          110
131   Tyr Tyr Cys Ala Arg Gly Phe Leu Pro Trp Phe Ala Asp Trp Gly Gln
132          115          120          125
133   Gly Thr Leu Val Thr Val Ser Ala
134          130          135
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137 <211> LENGTH: 384
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:
141 <223> OTHER INFORMATION: Description of Artificial Sequence:human-mouse
142   transgenic construct HuZAF VL
143 <221> NAME/KEY: CDS
144 <222> LOCATION: (1)..(384)
145 <400> SEQUENCE: 5
146   atg gag acc gat acc ctc ctg cta tgg gtc ctc ctg cta tgg gtc cca 48

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## RAW SEQUENCE LISTING

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147 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
148 1 5 10 15
149 gga tca acc gga gat att cag atg acc cag tct ccg tcg acc ctc tct 96
150 Gly Ser Thr Gly Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser
151 20 25 30
152 gct agc gtc ggg gat agg gtc acc ata acc tgc aag gcc agt gaa aat 144
153 Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Glu Asn
154 35 40 45
155 gtg gat act tat gta tcc tgg tat cag cag aag cca ggc aaa gct ccc 192
156 Val Asp Thr Tyr Val Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
157 50 55 60
158 aag ctt cta att tat ggg gca tcc aac cgg tac act ggg gta cct tca 240
159 Lys Leu Leu Ile Tyr Gly Ala Ser Asn Arg Tyr Thr Gly Val Pro Ser
160 65 70 75 80
161 cgc ttc agt ggc agt gga tct ggg acc gat ttc acc ctc aca atc agc 288
162 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
163 85 90 95
164 tct ctg cag cca gat gat ttc gcc act tat tac tgc gga cag agt tac 336
165 Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gly Gln Ser Tyr
166 100 105 110
167 aac tat cca ttc acg ttc ggt cag ggg acc aag gtg gag gtc aaa cgt 384
168 Asn Tyr Pro Phe Thr Phe Gly Gln Gly Thr Lys Val Glu Val Lys Arg
169 115 120 125
171 <210> SEQ ID NO: 6
172 <211> LENGTH: 128
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence:human-mouse
177 transgenic construct HuZAF VL
178 <400> SEQUENCE: 6
179 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
180 1 5 10 15
181 Gly Ser Thr Gly Asp Ile Gln Met Thr Gln Ser Pro Ser Thr Leu Ser
182 20 25 30
183 Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Glu Asn
184 35 40 45
185 Val Asp Thr Tyr Val Ser Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
186 50 55 60
187 Lys Leu Leu Ile Tyr Gly Ala Ser Asn Arg Tyr Thr Gly Val Pro Ser
188 65 70 75 80
189 Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
190 85 90 95
191 Ser Leu Gln Pro Asp Asp Phe Ala Thr Tyr Tyr Cys Gly Gln Ser Tyr
192 100 105 110
193 Asn Tyr Pro Phe Thr Phe Gly Gln Gly Thr Lys Val Glu Val Lys Arg
194 115 120 125
196 <210> SEQ ID NO: 7
197 <211> LENGTH: 409

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Input Set : N:\Crf3\RULE60\09992524.raw

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200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence:human-mouse
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203 <221> NAME/KEY: CDS
204 <222> LOCATION: (1)..(408)
205 <400> SEQUENCE: 7
206 atg gga tgg agc tgg atc ttt ctc ttc ctc ctg tca ggt acc gcg ggc 48
207 Met Gly Trp Ser Trp Ile Phe Leu Phe Leu Leu Ser Gly Thr Ala Gly
208 1 5 10 15
209 gtg cac tct cag gtc cag ctt gtc cag tct ggg gct gaa ctc aag aaa 96
210 Val His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Lys
211 20 25 30
212 cct ggg agc tcc gtg aag gtc tcc tgc aaa gct tct ggc tac atc ttt 144
213 Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ile Phe
214 35 40 45
215 act agc tcc tgg ata aac tgg gta aag cag gcc cct gga cag ggt ctc 192
216 Thr Ser Ser Trp Ile Asn Trp Val Lys Gln Ala Pro Gly Gln Gly Leu
217 50 55 60
218 gag tgg att gga agg att gat cct tcc gat ggt gaa gtt cac tac aat 240
219 Glu Trp Ile Gly Arg Ile Asp Pro Ser Asp Gly Glu Val His Tyr Asn
220 65 70 75 80
221 caa gat ttc aag gac aag gct aca ctt aca gtc gac aaa tcc acc aat 288
222 Gln Asp Phe Lys Asp Lys Ala Thr Leu Thr Val Asp Lys Ser Thr Asn
223 85 90 95
224 aca gcc tac atg gaa ctg agc agc ctg aga tca gag gac act gca gtc 336
225 Thr Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val
226 100 105 110
227 tat tac tgt gca aga gga ttt ctg ccc tgg ttt gct gac tgg ggc caa 384
228 Tyr Tyr Cys Ala Arg Gly Phe Leu Pro Trp Phe Ala Asp Trp Gly Gln
229 115 120 125
230 gga acc ctg gtc aca gtc tcc tca g 409
231 Gly Thr Leu Val Thr Val Ser Ser
232 130 135
234 <210> SEQ ID NO: 8
235 <211> LENGTH: 136
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
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239 <223> OTHER INFORMATION: Description of Artificial Sequence:human-mouse
240 transgenic construct HuZAF VH
241 <400> SEQUENCE: 8
242 Met Gly Trp Ser Trp Ile Phe Leu Phe Leu Leu Ser Gly Thr Ala Gly
243 1 5 10 15
244 Val His Ser Gln Val Gln Leu Val Gln Ser Gly Ala Glu Leu Lys Lys
245 20 25 30
246 Pro Gly Ser Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ile Phe
247 35 40 45

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VERIFICATION SUMMARY

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